

U.S. Patent Application Serial No. 10/670,386
Amendment filed March 21, 2005
Reply to OA dated December 2, 2004

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended): An information acquisition control unit comprising:

an information acquiring section for acquiring information;

an information processing section for associating the information acquired by the information acquiring section with acquisition condition information concerning the conditions for making the information acquiring section execute an information acquiring operation to acquire the information in accordance with the type of the information;

an acquisition possibility determining section for determining, based on the acquisition condition information, whether or not the acquiring operation can be executed; and

a control section for controlling the information acquiring section, when it is determined by the acquisition possibility determining section that the acquiring operation can be executed, to execute the acquiring operation.

Claim 2. (Currently Amended): An information acquisition control unit comprising:

an information acquiring section for acquiring information including acquisition condition information concerning the conditions for executing an acquiring operation to acquire the

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information in accordance with the type of the information;

an acquisition possibility determining section for determining, based on the acquisition condition information of the acquired information, whether or not the acquiring operation can be executed; and

a control section for controlling the information acquiring section, when it is determined by the acquisition possibility determining section that the acquiring operation can be executed, to execute the acquiring operation.

Claim 3. (Original): The information acquisition control unit according to claim 1 further comprising:

an input section for setting and inputting an acquisition demand information for demanding execution of the acquiring operation in response to an input operation, wherein said control section provides controls for inhibiting the execution of the acquiring operation, when it is determined by the control section that the acquiring operation cannot be executed by the acquisition possibility determining section, even if the control section recognizes an input for setting the acquisition demand information in the input section.

Claim 4. (Original): The information acquisition control unit according to claim 2 further comprising:

an input section for setting and inputting an acquisition demand information for demanding

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execution of the acquiring operation in response to an input operation, wherein said control section provides controls for inhibiting the execution of the acquiring operation, when it is determined by the control section that the acquiring operation cannot be executed by the acquisition possibility determining section, even if the control section recognizes an input for setting the acquisition demand information in the input section.

Claim 5. (Currently Amended): An information acquisition control unit comprising:

an information acquiring section for acquiring information;

an input section for setting and inputting an acquisition demand information concerning a demand for an acquiring operation to acquire the information by the information acquisition section in accordance with the type of the information in response to an input operation;

an acquisition possibility determining section for determining whether or not the information demanded from the acquisition demand information and the information acquired by the information acquiring section are identical to each other, and for determining, when the two pieces of information are not identical to each other, that the acquiring operation can be executed; and

a control section for controlling the information acquiring section, when it is determined by the acquisition possibility determining section that the acquiring operation can be executed, to execute the acquiring operation.

Claim 6. (Currently Amended): The information acquisition control unit according to claim 1, wherein said acquisition condition information relates to the conditions for executing the acquiring operation at a timing when [[the]] information not identical to [[the]] information previously acquired can be acquired.

Claim 7. (Currently Amended): The information acquisition control unit according to claim 2, wherein said acquisition condition information relates to the conditions for executing the acquiring operation at a timing when [[the]] information not identical to [[the]] information previously acquired can be acquired.

Claim 8. (Currently Amended): The information acquisition control unit according to claim 6, wherein the acquisition condition information is time information concerning time; and said acquisition possibility determining section determines that an acquiring operation can be executed when it recognizes, by comparing [[the]] time information concerning the current point of time to said acquisition condition information, that the current point of time has reached [[the]] a time indicated by the acquisition condition information.

Claim 9. (Currently Amended): The information acquisition control unit according to claim 7, wherein the acquisition condition information is time information concerning time; and said acquisition possibility determining section determines that an acquiring operation can be executed

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when it recognizes, by comparing [[the]] time information concerning the current point of time to said acquisition condition information, that the current point of time has reached [[the]] a time indicated by the acquisition condition information.

Claim 10. (Currently Amended): The information acquisition control unit according to claim 5 further comprising:

an input section for setting and inputting an acquisition demand information to demand an acquiring operation to make the information acquisition section acquire information with a specified content in response to an input operation, wherein [[the]] an acquisition condition information is [[the]] content information concerning a content of said information; and the acquisition possibility determining section determines that the acquiring operation can be executed when it is determined by comparing contents of [[the]] an acquisition demand information set and inputted in the input section to those of said acquisition condition information that the two pieces of information are not identical to each other.

Claim 11. (Original): The information acquisition control unit according to claim 1, wherein the information acquiring section acquires information through communications.

Claim 12. (Original): The information acquisition control unit according to claim 2, wherein the information acquiring section acquires information through communications.

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Claim 13. (Original): The information acquisition control unit according to claim 5, wherein the information acquiring section acquires information through communications.

Claim 14. (Currently Amended): The information acquisition control unit according to claim 1 further comprising:

a guidance reporting section for reporting a guidance in response to the moving state of a movable body, wherein said information, acquired by said information acquiring section, is information concerning movement of the movable body.

Claim 15. (Currently Amended): The information acquisition control unit according to claim 2 further comprising:

a guidance reporting section for reporting a guidance in response to the moving state of a movable body, wherein said information, acquired by said information acquiring section, is information concerning movement of the movable body.

Claim 16. (Currently Amended): The information acquisition control unit according to claim 5 further comprising:

a guidance reporting section for reporting a guidance in response to the moving state of a movable body, wherein said information, acquired by said information acquiring section, is information concerning movement of the movable body.

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Claim 17. (Currently Amended): An information acquisition control system comprising:
an information storing section for distributably storing therein different types of updatable
information; and

the information acquisition control unit according to claim 1 connected thereto so that the
updatable information stored in this information storing section can be acquired by said information
acquiring section.

Claim 18. (Currently Amended): An information acquisition control system comprising:
an information storing section for distributably storing therein different types of updatable
information; and

the information acquisition control unit according to claim 2 connected thereto so that the
updatable information stored in this information storing section can be acquired by said information
acquiring section.

Claim 19. (Currently Amended): An information acquisition control system comprising:
an information storing section for distributably storing therein different types of updatable
information; and

the information acquisition control unit according to claim 5 connected thereto so that the
updatable information stored in this information storing section can be acquired by said information

acquiring section.

Claim 20. (Currently Amended): A method of controlling information acquisition for controlling information acquisition with a computing section, [[wherein]] the computing section operation comprising the steps of:

associating acquired information with acquisition condition information concerning the conditions for executing an acquiring operation to acquire [[the]] information in accordance with the type of the information;

determining, based on the acquisition condition information associated with this information, whether or not the acquiring operation can be executed; and

executing the acquiring operation to separately acquire the information when it is determined that this acquiring operation can be executed.

Claim 21. (Currently Amended): A method of controlling information acquisition for controlling information acquisition with a computing section, comprising the steps of:

determining, based on the acquisition condition information in the information acquired in advance and including acquisition condition information concerning the conditions for executing an acquiring operation to acquire [[the]] information in accordance with the type of the information; and

executing the acquiring operation to separately acquire the information when it is determined

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that this acquiring operation can be executed.

Claim 22. (Currently Amended): A method of controlling information acquisition for controlling information acquisition with a computing section, comprising the steps of:

recognizing an input for setting an acquisition demand information concerning a demand for an acquiring operation to acquire information in accordance with the type of the information in response to ~~[[the]]~~ an input operation; and

executing the acquiring operation to separately acquire information when it is determined by means of comparison that ~~[[the]]~~ information demanded from the acquisition demand information and the acquired information are not identical to each other.

Claim 23. (Original): An information acquisition control program for making a computing section execute the information acquisition control method according to claims 20.

Claim 24. (Original): An information acquisition control program for making a computing section execute the information acquisition control method according to claims 21.

Claim 25. (Original): An information acquisition control program for making a computing section execute the information acquisition control method according to claims 22.

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Claim 26. (Original): A recording medium with an information acquisition control program recorded therein, wherein the information acquisition control program according to claim 23 is recorded therein so that the program can be read by a computing section.

Claim 27. (Original): A recording medium with an information acquisition control program recorded therein, wherein the information acquisition control program according to claim 24 is recorded so that the program can be read by a computing section.

Claim 28. (Original): A recording medium with an information acquisition control program recorded therein, wherein the information acquisition control program according to claim 25 is recorded so that the program can be read by a computing section.

Claim 29. (Original): A navigation system comprising:
an information acquisition control system according to claim 17 with the information storing section storing therein information concerning movement of a movable body as information;
a movable body information acquiring section provided in the information acquisition control unit of this information acquisition system for acquiring information concerning the state of movement of a movable body; and
a guidance reporting section provided in the information acquisition control unit for reporting at least either one of the acquired information and a guidance corresponding to the moving state of

a movable body based on this acquired information.

Claim 30. (Currently Amended): A navigation system comprising:

an information acquisition control system according to claim 18 with the [[i]] information storing section storing therein information concerning movement of a movable body as information;

a movable body information acquiring section provided in the information acquisition control unit of this information acquisition system for acquiring information concerning the state of movement of a movable body; and

a guidance reporting section provided in the information acquisition control unit for reporting at least either one of the acquired information and a guidance corresponding to the moving state of a movable body based on this acquired information.

Claim 31. (Original): A navigation system comprising:

an information acquisition control system according to claim 19 with the information storing section storing therein information concerning movement of a movable body as information;

a movable body information acquiring section provided in the information acquisition control unit of this information acquisition system for acquiring information concerning the state of movement of a movable body; and

a guidance reporting section provided in the information acquisition control unit for reporting at least either one of the acquired information and a guidance corresponding to the moving state of

a movable body based on this acquired information.

Claim 32. (New): An information acquisition control unit comprising:

an information acquiring section for acquiring information;

an information processing section for associating the information acquired by the information acquiring section with acquisition condition information concerning the conditions for making the information acquiring section execute an information acquiring operation to acquire the information;

a time acquiring section for acquiring a current time information;

an acquisition possibility determining section for determining, based on the acquisition condition information and the current time information, whether or not the acquiring operation can be executed; and

a control section for controlling the information acquiring section, when it is determined by the acquisition possibility determining section that the acquiring operation can be executed, to execute the acquiring operation.

Claim 33. (New): An information acquisition control unit comprising:

an information acquiring section for acquiring information including acquisition condition information concerning the conditions for executing an acquiring operation to acquire the information;

a time acquiring section for acquiring a current time information;

an acquisition possibility determining section for determining, based on the acquisition condition information of the acquired information and the current time information, whether or not the acquiring operation can be executed; and

a control section for controlling the information acquiring section, when it is determined by the acquisition possibility determining section that the acquiring operation can be executed, to execute the acquiring operation.

Claim 34. (New): An information acquisition control unit comprising:

a time acquiring section for acquiring a current time information;

an information acquiring section for acquiring information;

an input section for setting and inputting an acquisition demand information based on the current time information concerning a demand for an acquiring operation to acquire the information by the information acquisition section in response to an input operation;

an acquisition possibility determining section for determining whether or not the information demanded from the acquisition demand information and the information acquired by the information acquiring section are identical to each other, and for determining, when the two pieces of information are not identical to each other, that the acquiring operation can be executed; and

a control section for controlling the information acquiring section, when it is determined by the acquisition possibility determining section that the acquiring operation can be executed, to execute the acquiring operation.

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Claim 35. (New): A method of controlling information acquisition for controlling information acquisition with a computing section, wherein the computing section operation comprising the steps of:

associating acquired information with acquisition condition information concerning the conditions for executing an acquiring operation to acquire the information;

acquiring a current time information;

determining, based on the acquisition condition information associated with this information and the current time information, whether or not the acquiring operation can be executed; and

executing the acquiring operation to separately acquire the information when it is determined that the acquiring operation can be executed.

Claim 36. (New): A method of controlling information acquisition for controlling information acquisition with a computing section, comprising the steps of:

acquiring a current time information;

determining, based on the acquisition condition information in the information acquired in advance and including acquisition condition information concerning the conditions for executing an acquiring operation to acquire the information and the current time information, whether or not the acquiring operation can be executed; and

executing the acquiring operation to separately acquire the information when it is determined that this acquiring operation to can be executed.

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Claim 37. (New): A method of controlling information acquisition for controlling information acquisition with a computing section, comprising the steps of:

acquiring a current time information;

recognizing an input for setting an acquisition demand information based on the current time information concerning a demand for an acquiring operation to acquire information in response to the input operation; and

executing the acquiring operation to separately acquire information when it is determined by means of comparison that the information demanded from the acquisition demand information and the acquired information are not identical to each other.